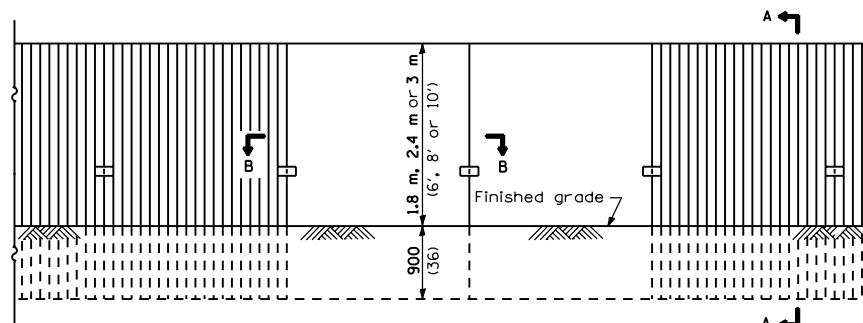
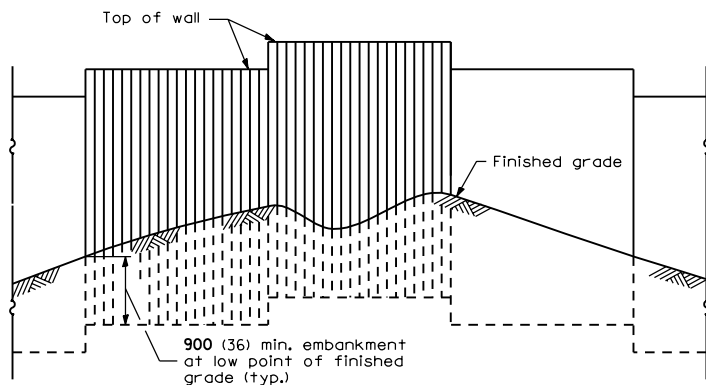


Each alternate pair of panels shall have a textured surface finish as shown, and shall be alternated with pairs having a smooth finish. The intersection of every two panels having the same finish shall point toward the road as shown.

### PLAN

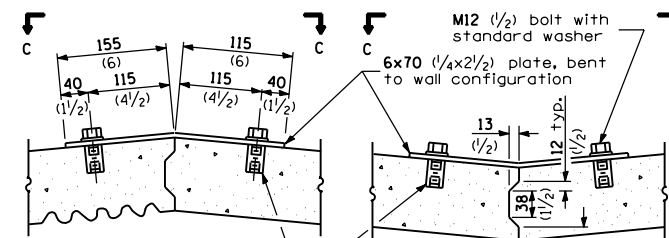


### ELEVATION



### ELEVATION

(Showing installation of wall in irregular ground)

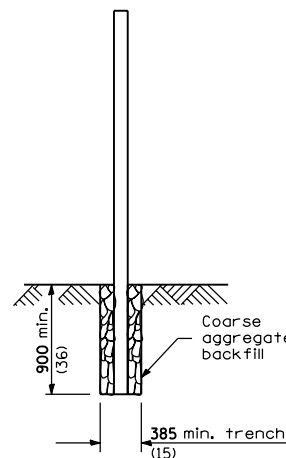


Threaded inserts for M12 (1/2) bolts, precast or field drilled, as necessary, into panels.

Showing typical metal band connector dimensions

Showing typical shear key dimensions

### SECTION B-B



### SECTION A-A

### GENERAL NOTES

Loading for 130 km/h (80 mph) wind with 30% gust factor, normal to wall.

#### ALLOWABLE STRESSES:

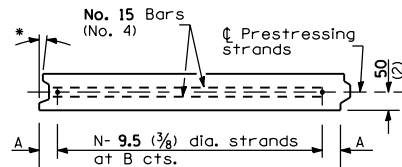
Concrete:  $f'_c = 24 \text{ MPa (3,500 psi)}$   
 $f'_{ci} = 15 \text{ MPa (2,250 psi)}$   
 Prestressing Steel:  $f'_s = 1860 \text{ MPa (270,000 psi)}$   
 $f_{si} = 1300 \text{ MPa (189,000 psi)}$   
 Reinforcing Steel:  $f'_y = 270 \text{ MPa min. (40,000 psi)}$   
 Structural Steel:  $f_s = 138 \text{ MPa (20,000 psi)}$   
 Minimum allowable soil bearing pressure:  $= 120 \text{ kPa (1.25 tsf)}$

All dimensions are in millimeters (inches) unless otherwise shown.

Illinois Department of Transportation	
APPROVED January 1, 1997	ISSUED 1-1-97
ENGINEER OF BRIDGES AND STRUCTURES	
APPROVED January 1, 1997	
ENGINEER OF DESIGN AND ENVIRONMENT	

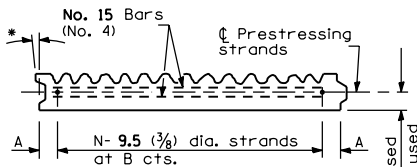
DATE	REVISIONS	SIGHT SCREEN PRECAST PRESTRESSED CONCRETE PANEL WALL (Sheet 1 of 2)
1-1-97	Renum, Standard 2366-2.	
11-1-94	Rev. G.N.	STANDARD 639001
	Rev. metric values.	

\* 5° left or right  
as required by  
geometry of wall.



### SECTION E-E

(For panels with smooth  
surface finish)

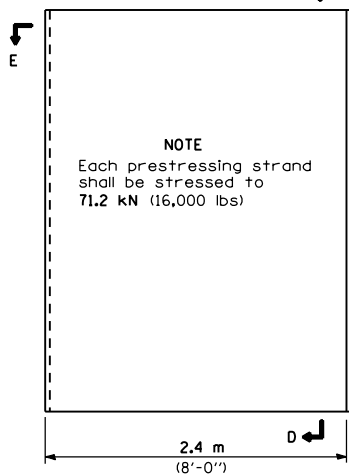


### SECTION E-E

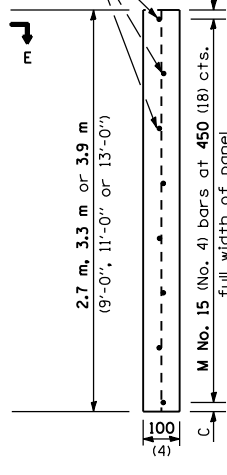
(For panels with textured  
surface finish)

No. 15 (No. 4) bars shall be  
alternated above and  
below prestressing strands.

40 (1 1/2) when 25 (1) surface ribs used  
45 (1 3/4) when 20 (3/4) surface ribs used

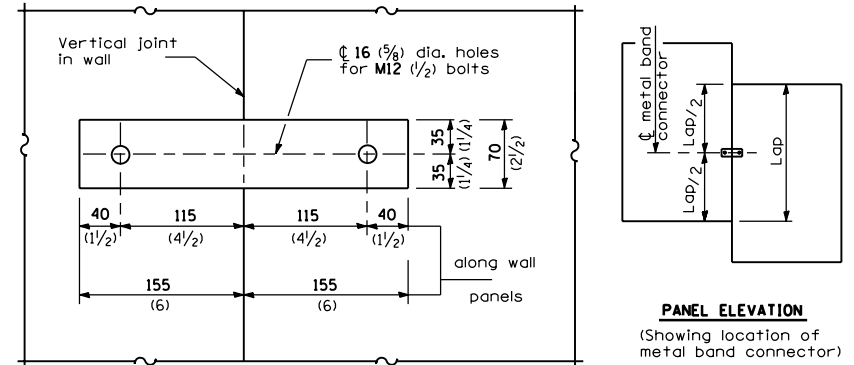


### ELEVATION

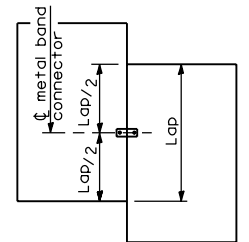


### SEC. D-D

## STRAND and REINFORCEMENT LAYOUT

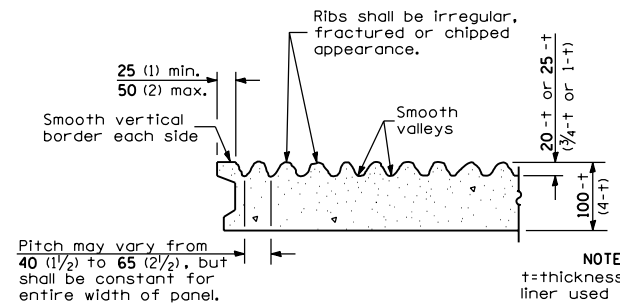


### SECTION C-C



### PANEL ELEVATION

(Showing location of  
metal band connector)



### TEXTURED SURFACE FINISH DETAIL

NOTE  
t=thickness of form  
liner used to obtain  
surface finish.

Nominal Panel Size	A	N	B	C	M
2.4 m x 2.7 m (8'-0" x 9'-0")	150 (6)	8	300 (12)	225 (9)	6
2.4 m x 3.3 m (8'-0" x 11'-0")	75 (3)	11	225 (9)	75 (3)	8
2.4 m x 3.9 m (8'-0" x 13'-0")	75 (3)	16	150 (6)	150 (6)	9

All dimensions are in millimeters (inches)  
unless otherwise shown.

SIGHT SCREEN  
PRECAST PRESTRESSED CONCRETE  
PANEL WALL

(Sheet 2 of 2)

STANDARD 639001